

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (Currently amended) A live attenuated strain of *Salmonella* comprising
 - (a) a regulatable *araCP*_{BAD} promotor that is operably linked to a *fur* gene, wherein said *fur* gene is expressed when said attenuated strain is in the intestinal tract of an individual and said *fur* gene is not expressed when said attenuated strain is within internal tissues of an individual and wherein non- expression of said *fur* gene in vivo causes synthesis of iron regulated outer membrane proteins (IROMPs); and
 - (b) a means for regulating synthesis of an LPS O-antigen, wherein said LPS O-antigen ceases to be synthesized in vivo, exposing an LPS core oligosaccharide antigen that is conserved among *Salmonella* species and ~~*E. coli* strains~~;
wherein said attenuated strain has enhanced ability to induce cross-protective immunity against *Salmonella* species and ~~*E. coli* strains~~.
- 2.-8. (Canceled)
9. (Previously presented) The live attenuated strain of claim 1 wherein said means for regulating synthesis of an LPS O-antigen comprises a mutation in a gene that encodes a product necessary for synthesis of LPS O-antigen.
10. (Previously presented) The live attenuated strain of claim 9, wherein said means for regulating synthesis of an LPS O-antigen comprises a mutation in the *pmi* gene.
- 11.-25. (Canceled)

26. (Previously presented) The live attenuated strain of claim 1, wherein said strain is a *Salmonella typhimurium* comprising

- (a) a $\Delta p_{fur}::TtaraCP_{BAD}fur$ deletion-insertion mutation; and
- (b) a Δpmi mutation.

27.-30. (Canceled)

31. (Currently amended) The live attenuated strain of claim 1, ~~further~~ comprising a Δpmi mutation.

32. (Previously presented) The live attenuated strain of claim 1 comprising a $\Delta p_{fur}::araCP_{BAD}fur$ genetic construction.

33.-40. (Canceled)